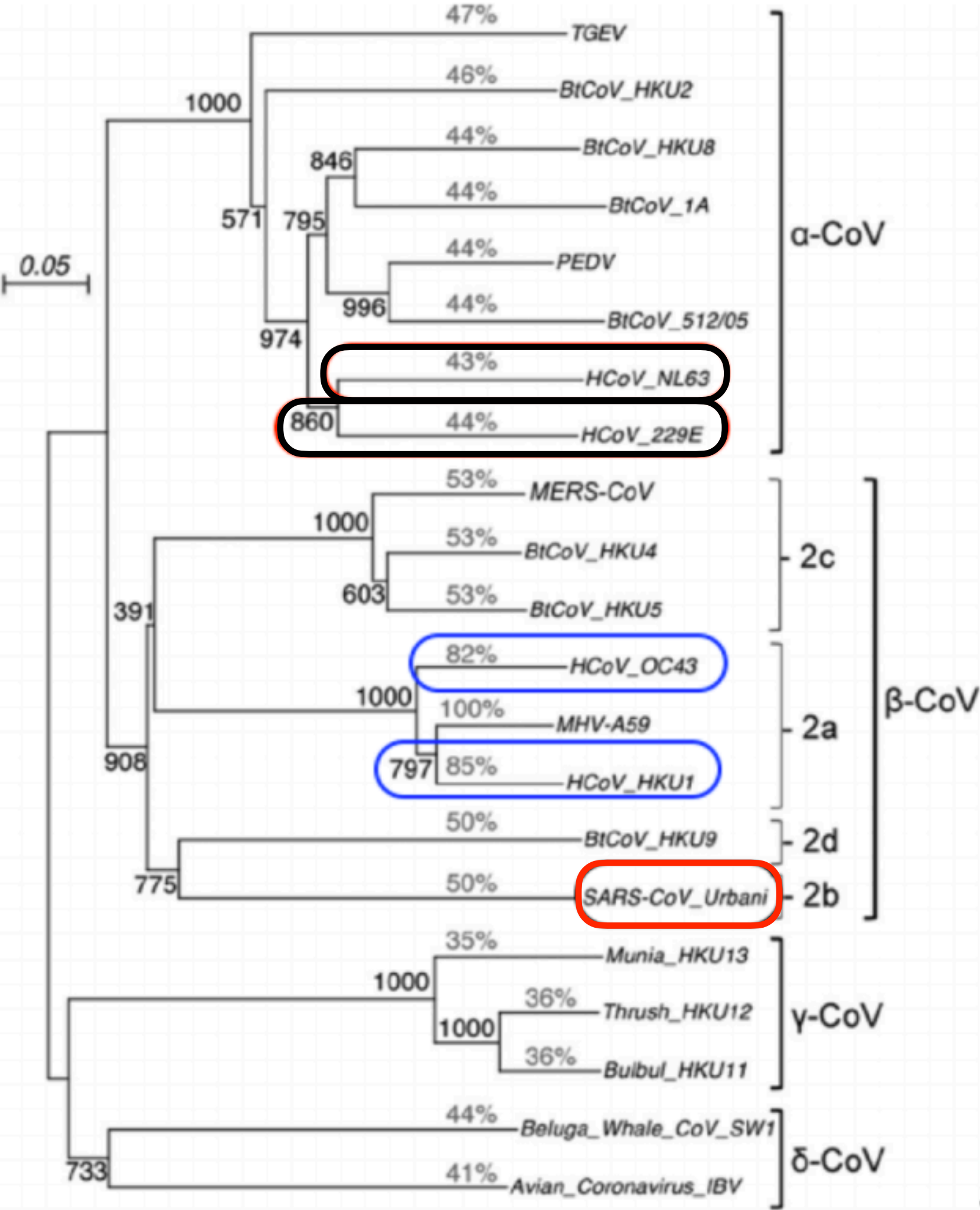
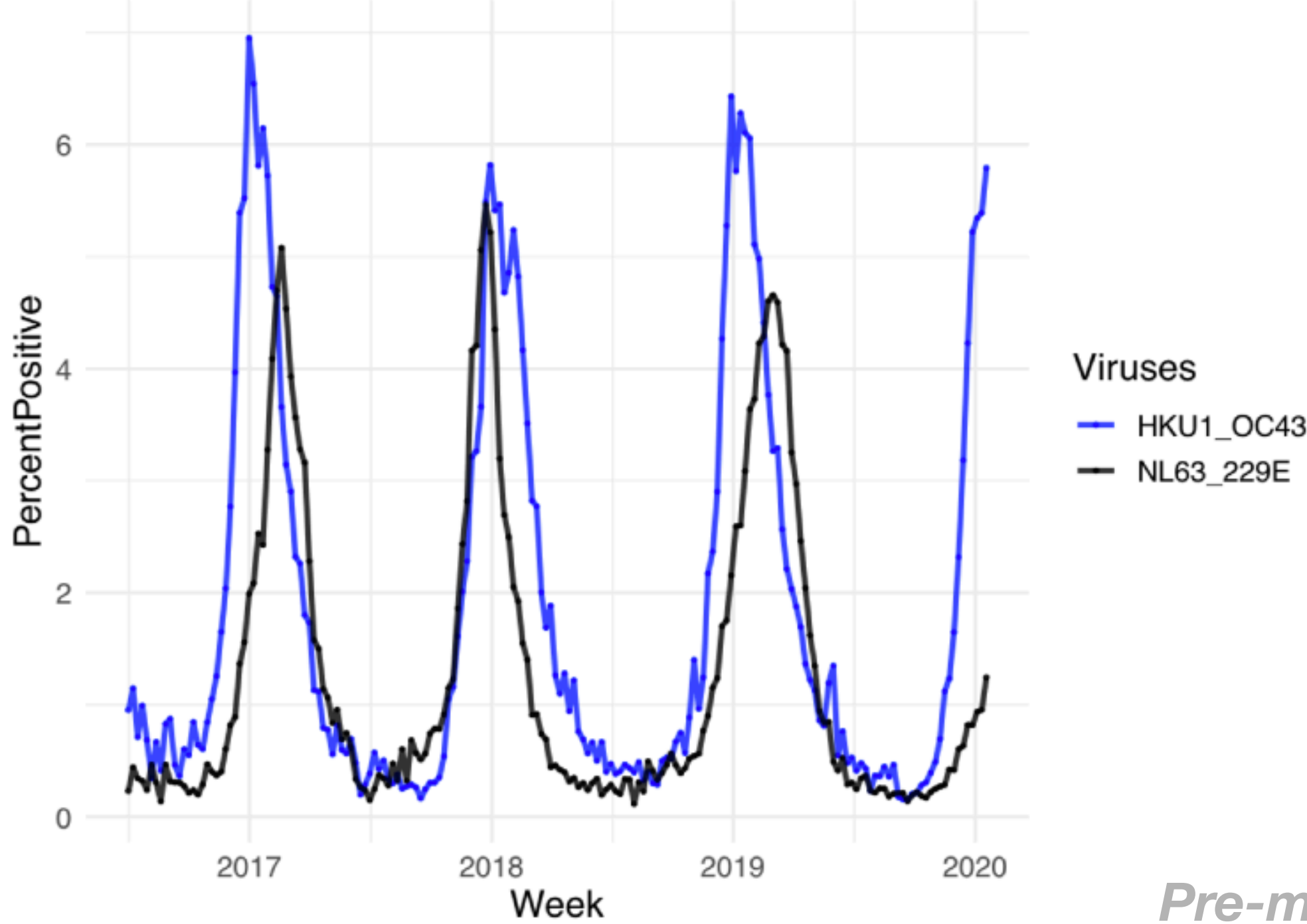
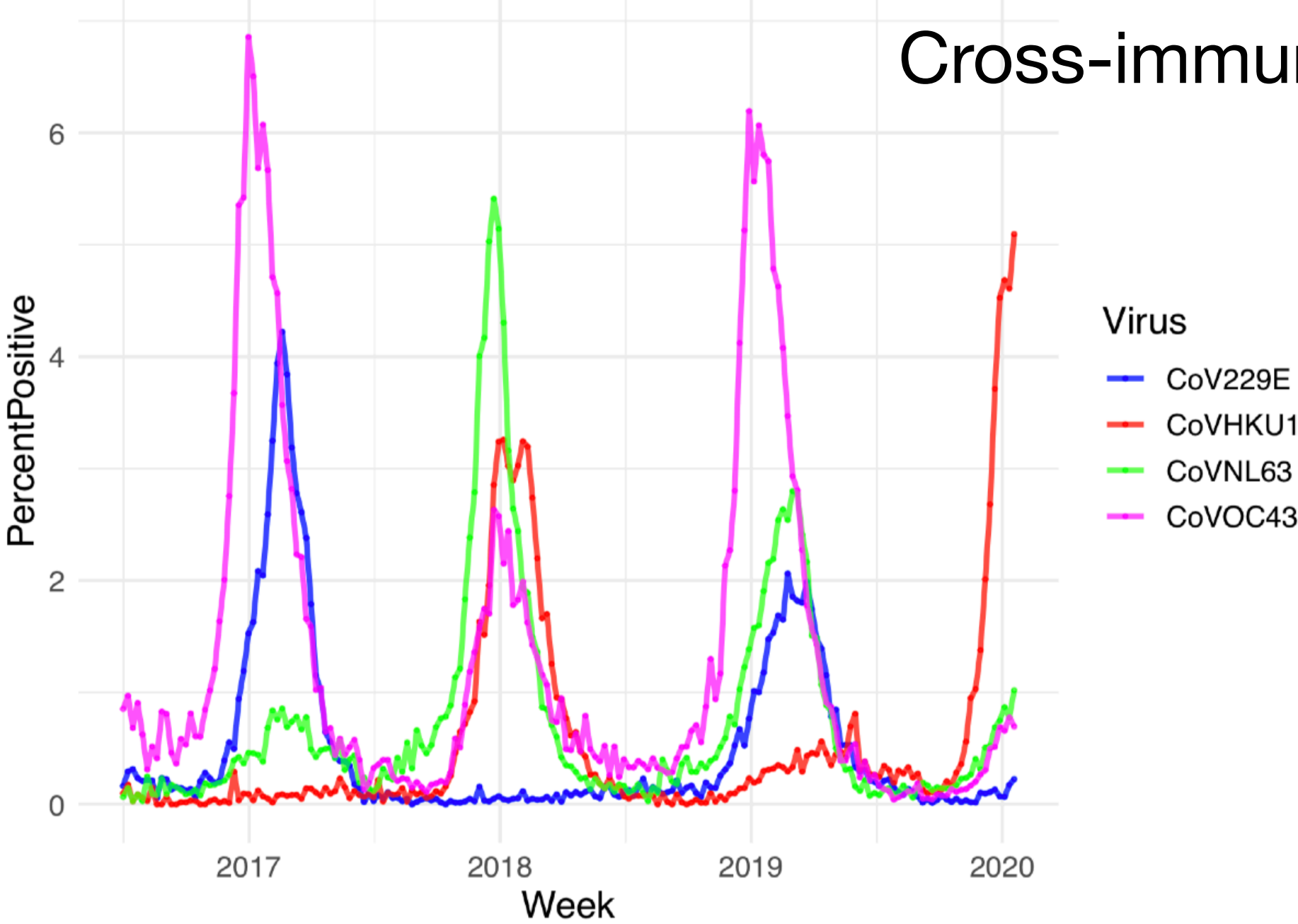


# Coronavirus protease phylogeny (or, a family tree)



Stobart *et al.* (2013), *Journal of Virology*

Cross-immunity ?



*Pre-modeling*

# Evidence of waning coronavirus immunity

Waning immunity ☐

